



HP Pavilion Gaming Laptop 17-cd0003ng (2T0V1EA)



Overview

For multiplayers and multitaskers

Sacrifice nothing with the thin and powerful HP Pavilion Gaming Laptop. Experience high-grade graphics and processing power for gaming and multitasking, plus improved thermal cooling for overall performance and stability. Immerse yourself in the game with a narrow bezel display and custom-tuned audio. The perfect balance between work and play, so you can do it all.



Power your day. Power your play.

Take on anything and everything with a 9th generation Intel® Core™ processor[1] and NVIDIA® GeForce® graphics. A high resolution display with fast refresh rate delivers smooth gameplay visuals, while also bringing entertainment and content to life.



Bold, immersive design

Get lost in the game. A sleek narrow bezel display provides a maximum viewing experience while the front-firing speakers with Audio by B&O deliver powerful, custom-tuned sound.



Game harder for longer

The HP Pavilion Gaming Laptop is equipped with a dual fan system for enhanced thermal cooling. Wide rear corner vents and additional air inlets maximize airflow to optimize your overall performance and stability, keeping the machine cool during extended usage.

Features



9th generation Intel® Core™ processor i5

Experience a breakthrough in processor performance that delivers incredible in-game experiences and enables crisp, simultaneous live-streaming. Edit and render pure 4K quality, and stream only the best content.^[2]



Intel® UHD Graphics 630

Smoothly stream 4K content and play your favorite games in 720p, without the need for a dedicated graphics card. With excellent Intel® UHD graphics performance, you'll see the difference in everything you do.^[3]

144Hz

144 Hz FHD anti-glare display

Reduce frustrating lag and image ghosting with a display that combines a 144 Hz refresh rate, G-Sync support, and a 1080p resolution for smooth, crisp gameplay.^[5]



NVIDIA® GeForce® GTX 1660 Ti graphics

Breakthrough graphics performance powered by ultra-speed GDDR6 technology, allowing you to stream and game smoothly with NVIDIA® GeForce® Experience and GameReady.

1080p

FHD IPS display

Enjoy crystal-clear images from any angle. With 178° wide-viewing angles and a vibrant 1920 x 1080 resolution, you'll always have a great view of your favorite content.^[4]



Visibly brilliant detail

With 300 nits of brightness, view beautiful details, enhanced image quality, and distinct shades of color—even in bright lighting conditions.^[5]

[1] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

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[3] High-definition (HD) content required to view HD images. Graphics output may be limited based on the maximum resolution of the display. 4K content required to view full 4K images.

[4] Full high-definition (FHD) content is required to view FHD images.

[5] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Specifications

Operating system	FreeDOS
Product color	Shadow black, acid green chrome logo
Processor family	9th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-9300H (2.4 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores) ^[6,7]
Chipset	Intel® HM370
Memory	8 GB DDR4-2666 SDRAM (1 x 8 GB)
Internal Storage	512 GB Intel® PCIe® NVMe™ M.2 SSD
Product design	Paint finish
Optical drive	Optical drive not included
Display	43.9 cm (17.3") diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, anti-glare, 300 nits, 100% sRGB
Display	17.3" diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, anti-glare, 300 nits, 100% sRGB
Display size (diagonal)	43.9 cm (17.3")
Display size (diagonal)	17.3"
Audio features	Audio by B&O; Dual speakers; HP Audio Boost
Minimum dimensions (W x D x H)	40.5 x 28.2 x 2.5 cm (Dimensions vary by configuration)
Weight	Starting at 2.74 kg (Weight varies by configuration)
Keyboard	Full-size, acid green backlit, shadow black keyboard with numeric keypad
Pointing device	Imagepad with multi-touch gesture support; Precision Touchpad Support
Input devices	Accelerometer
Webcam	HP Wide Vision 720p HD camera with integrated dual array digital microphones
Ports	1 USB 3.1 Gen 2 Type-C™ (10 Gb/s signaling rate, Power Delivery 3.0, DisplayPort™ 1.4, HP Sleep and Charge); 1 USB 3.1 Gen 1 Type-A (HP Sleep and Charge); 2 USB 3.1 Gen 1 Type-A (Data Transfer Only); 1 HDMI; 1 AC smart pin; 1 RJ-45; 1 headphone/microphone combo ^[19]
Expansion slots	1 multi-format SD media card reader
Package dimensions (W x D x H)	6.9 x 34.5 x 59.8 cm
Package weight	4 kg
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Intel® Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds) ^[11,12]
Power supply type	200 W Smart AC power adapter

Battery type	3-cell, 52.5 Wh Li-ion polymer
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]
Battery weight	215 g
UPC number	195161818448
Warranty	1 year limited parts, labour, and pickup and return service
Limited warranty coverage and exceptions	You can expand the warranty coverage of your product to reach up to 3 years in total; for more information go to the "Options and accessories" web section on hp.com product pages.

Additional specifications

Additional information about HP	http://www.hp.com
Battery capacity	52.5
Battery capacity uom	Wh
Battery cells number	3
Battery type	Li-ion polymer
Bluetooth version	Bluetooth® 5
Brightness	300 nits
Color gamut	100% sRGB
Datasheet photo 1	AHID/5b64beb58364163453bd97445c6bc953b0fc2c38
Datasheet photo 2	AHID/4f0022b64ca38ac2de80bb4587fb28e222316e17
Datasheet photo 3	AHID/b02b72a898d671ef0aa046d5500432872012fcb3
Datasheet photo 4	AHID/41a919b0d1b2e5745a511072bf14e878ec2018cd
Datasheet photo 5	Publication logos/pc-carepack-logo.jpg
Display	43.9 cm (17.3") diagonal FHD display
Display brightness	300
Display brightness uom	nits
Display panel technology	IPS
Display refresh rate	144
Display refresh rate uom	Hz
Display resolution (pixels)	1920 x 1080
Display resolution standard	FHD
Display response time	7
Display response time uom	ms
Display size (diagonal) uom	"
Display size (diagonal, imperial)	17.3
Display size (diagonal, metric)	43.9
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	No
Fingerprint reader	Fingerprint reader not available
Graphic card footnote number	[8]
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce® GTX 1660 Ti (6 GB GDDR6 dedicated)

Graphics card brand	NVIDIA®
Graphics card family	GeForce®
Graphics card memory size	6
Graphics card memory size uom	GB
Graphics card memory type	GDDR6
MDA key selling point	Windows 10 Home or other operating systems available
Memory and storage	8 GB memory; 512 GB SSD storage
Memory layout (slots & size)	1 x 8 GB
Memory module type	DIMM
Memory size	8
Memory size uom	GB
Memory speed	2666
Memory speed uom	MHz
Memory type	DDR4
Model Number	GTX 1660 Ti
Number of User-accessible Memory Slots	2
Number of memory slots	1
Package depth, imperial (extended size)	23.54
Package depth, metric (extended size)	59.8
Package height, imperial (extended size)	13.58
Package height, metric (extended size)	34.5
Package width, imperial (extended size)	2.71
Package width, metric (extended size)	6.9
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm
Processor Brand	Intel®
Processor base frequency	2.4
Processor base frequency uom	GHz
Processor cache	8 MB L3
Processor core	4

Processor family	Core™ i5
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	9th Generation
Processor maximum frequency	4.1
Processor maximum frequency uom	GHz
Processor model	9300H
Processor speed	2.4 GHz
Processor threads	8
Product brand name	HP
Product language options	#ABD
Service description	3-year pickup and return
Storage acceleration	32 GB NVMe™ Intel® Optane™ Memory for storage acceleration ^[9]
Storage brand 01	Intel®
Storage capacity 01	512
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
Technology logo, print 2	Publication logos/HP_Fast_Charge_icon.jpg
Touchscreen	No
Wireless Model	Wireless-AC 9560
Wireless antenna	2x2
Wireless standard	802.11a/b/g/n/ac
Wireless supplier	Intel®

[5] Recharges your battery up to 50% within 45 minutes when the system is off (using “shut down” command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products. See <http://store.hp.com> for a full list of product features.

[6] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[9] Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system.

[11] Wi-Fi® supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160 MHz channels.

[12] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.

[19] HP Sleep and Charge requires USB Type-A/Type-C charging protocol standard cable or dongle with external device for full functionality.

Accessories

Cases and Covers

★ : Recommended

Backpacks

HP Pavilion Gaming Backpack 500	6EU58AA ★
HP Pavilion Gaming Backpack 400	6EU57AA ★
HP 17.3 in OMEN Gaming Backpack	K5Q03AA
OMEN by HP Gaming Backpack	4YJ80AA

Covers

HP 43.94 cm (17.3") Carry Sleeve Black/Gold	3XD37AA
OMEN Transceptor 17 Sleeve	3J045AA

Cases

HP 43.94 cm (17.3") Signature Slim Topload Case	T0E19AA
OMEN Transceptor 17 Duffel Bag	7MT82AA

Keyboards/Mice and Input Devices

Keyboards

HP Pavilion Gaming Keyboard 800	5JS06AA ★	
HP K1500 Keyboard	H3C52AA	
HP K2500 Wireless Keyboard	E5E78AA	
HP Keyboard 100	2UN30AA	
HP Pavilion Gaming Keyboard 550	9LY71AA	
HP Pavilion Wired Keyboard 300	4CE96AA	
HP Pavilion Wireless Keyboard 600 Black	4CE98AA	
HP Pavilion Wireless Keyboard 600 White	4CF02AA	
OMEN Spacer Wireless TKL Keyboard	9BU31AA	
OMEN by HP Encoder Keyboard	6YW75AA	
OMEN by HP Encoder Keyboard	6YW76AA	
OMEN by HP Keyboard 1100	1MY13AA	obsolete
OMEN by HP Sequencer Keyboard	2VN99AA	

Mice

HP Pavilion Gaming Mouse 300	4PH30AA ★
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HP Pavilion Gaming Mouse 200	5JS07AA ★	
HP Pavilion Gaming Mouse Pad 300	4PZ84AA ★	
HP Pavilion Gaming Mouse Pad 400	5JH72AA ★	
HP Bluetooth Travel Mouse	6SP25AA	
HP Bluetooth® Mouse Z5000	2HW67AA	
HP Bluetooth® Mouse Z5000	E5C13AA	
HP Dual Mode Black Mouse 300	6CR71AA	
HP ENVY Rechargeable Mouse 500	2LX92AA	
HP Elite Presenter Mouse	3YF38AA	
HP Spectre Rechargeable Mouse 700	4YH34AA	
HP Spectre Rechargeable Mouse 700 (Bordeaux Burgundy)	5VD59AA	
HP Spectre Rechargeable Mouse 700 (Luxe Cooper)	3NZ70AA	
HP Spectre Rechargeable Mouse 700 (Turbo Silver)	3NZ71AA	
HP Wired Mouse 1000	4QM14AA	
HP Wireless Mouse 200	X6W31AA	
HP Wireless Mouse 200 (Empress Red)	2HU82AA	
HP Wireless Mouse 200 (Pike Silver)	2HU84AA	
HP Wireless Mouse 200 (Silk Gold)	2HU83AA	
HP Wireless Mouse 220	3FV66AA	
HP Wireless Mouse 220 (Lumiere Blue)	7KX11AA	
HP Wireless Mouse 220 (Snow White)	7KX12AA	
HP Wireless Mouse 220 (Sunset Red)	7KX10AA	
HP Wireless Mouse 250	3FV67AA	
HP Wireless Mouse Z3700	7UH85AA	
HP Wireless Mouse Z3700	7UH86AA	obsolete
HP Wireless Mouse Z3700	7UH88AA	
HP Wireless Mouse Z3700	7UH89AA	
HP Wireless Mouse Z3700 - White/Pink	4VY82AA	
HP Wireless Mouse Z4000	H5N61AA	
HP X1500 Mouse	H4K66AA	
HP X220 Backlit Gaming Mouse	8DX48AA	
HP X4500 Wireless (Metal Black) Mouse	H2W26AA	
HP X500 Wired Mouse	E5E76AA	
HP X900 Wired Mouse	V1S46AA	obsolete
HP Z3700 Black Wireless Mouse	V0L79AA	
HP Z3700 Blue Wireless Mouse	V0L81AA	

HP Z3700 Ceramic White Wireless Mouse	171D8AA	
HP Z3700 Forest Teal Wireless Mouse	171D9AA	
HP Z3700 Gold Wireless Mouse	X7Q43AA	
HP Z3700 Red Wireless Mouse	V0L82AA	
HP Z3700 Silver Wireless Mouse	X7Q44AA	
HP Z3700 White Wireless Mouse	V0L80AA	
HP Z5000 Dark Ash Silver Wireless Mouse	W2Q00AA	
OMEN Vector Essential Mouse	8BC52AA	
OMEN Vector Mouse	8BC53AA	
OMEN Vector Wireless Mouse	2B349AA	
OMEN by HP Hard Mouse Pad 200	2VP01AA	
OMEN by HP Mouse 400	3ML38AA	obsolete
OMEN by HP Mouse 600	1KF75AA	obsolete
OMEN by HP Mouse Pad 100	1MY14AA	
OMEN by HP Mouse Pad 200	3ML37AA	
OMEN by HP Mouse Pad 300	1MY15AA	
OMEN by HP Outpost Mousepad	6CM14AA	
OMEN by HP Photon Wireless Mouse	6CL96AA	
OMEN by HP Reactor Mouse	2VP02AA	
OMEN by HP Reactor Mouse	7ZF19AA	

Keyboard and Mouse Kits

HP C2710 Combo Keyboard	M7P30AA	
HP Pavilion Keyboard and Mouse 200	9DF28AA	
HP Pavilion Wired Keyboard and Mouse 400	4CE97AA	
HP Pavilion Wireless Keyboard and Mouse 800	4CF00AA	
HP Pavilion Wireless Keyboard and Mouse 800 (Black)	4CE99AA	
HP Wired Combo C2500	H3C53AA	
HP Wired Keyboard and Mouse 160	6HD76AA	
HP Wireless Keyboard and Mouse 300	3ML04AA	

Audio/Multimedia and Communication Devices

Headsets

HP Bluetooth Headset 500	2J875AA	
HP Earbuds Black Headset 150	X7B04AA	

HP In-Ear Headset 150 (Marine Blue)	2AP91AA	
HP Stereo Headset H2800 (Black w. Silk Gold)	2AP94AA	
HP Stereo Headset H2800 (White w. Pike Silver)	2AP95AA	
HP X1000 Wireless Gaming Headset	7HC42AA	
HP X1000 Wireless Gaming Headset	7HC43AA	
OMEN Blast Headset	1A858AA	
OMEN by HP Headset 800	1KF76AA	
OMEN by HP Mindframe Prime Headset	6MF35AA	
OMEN by HP Mindframe Prime Headset	6MF36AA	
Omen X by HP Mindframe Headset	3XT27AA	obsolete

Speakers

HP Gaming Speakers X1000	8PB07AA	
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Headphones

OMEN Dyad Earbuds	8JE67AA	
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Networking Products

Switches/Hubs/Routers/Converters/Repeaters

HP ENVY USB-C Hub	5LX63AA	
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Graphics Cards

Graphics Connectors/Adapters

HP HDMI to VGA Cable Adapter	X1B84AA	
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Batteries/Chargers/Adapters

Power Adapters

HP Pavilion USB-C™ to HDMI 2.0 Adapter	2PC54AA	
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Cables/Cable Kits/Cable Adapters

Cable Adapters

HP Spectre USB-C Travel Dock	2SR85AA	
HP USB Type-C to RJ45 Adapter	V8Y76AA	
HP USB-C to HDMI/ USB 3.0/ USB-C	1BG94AA	

HP USB-C to USB-A Hub

Z8W90AA

obsolete

HP USB-C to VGA Display Adapter

P7Z54AA

PC Drives and Storage

PC DVD+RW Drives

HP USB External DVDRW Drive

F6V97AA

Monitors

HP Home Monitors

★ : Recommended

HP Value Displays

HP 22f Display	2XN58AA	
HP 22fw Display	3KS60AA	
HP 22m Display	3WL44AA	
HP 22w Display	1CA83AA	obsolete
HP 22x Gaming Display	6ML40AA	
HP 24f Display	2XN60AA	
HP 24fh Display	4HZ37AA	
HP 24fh Display	5JB78AA	
HP 24fw 24-inch Display	5VU10AA	
HP 24fw 24-inch Display	6NB66AA	
HP 24fw Display	3KS62AA	
HP 24fw with Audio Display	4TB29AA	
HP 24m Display	3WL46AA	
HP 24w Display	1CA86AA	obsolete
HP 24x Gaming Display	5ZU98AA	
HP 25mx Display	4JF31AA	
HP 25x Display	3WL50AA	
HP 27f 27-inch 4K Display	5ZP65AA	
HP 27f Display	2XN62AA	
HP 27fh Display	4HZ38AA	
HP 27fh Display	5JB79AA	
HP 27fw 27-inch Display	3MP91AA	
HP 27fw 27-inch Display	6NB70AA	
HP 27fw Display	3KS64AA	
HP 27fw with Audio Display	4TB31AA	
HP 27m Display	3WL48AA	
HP 27mx Display	4KK74AA	
HP 27q Display	3FV90AA	obsolete
HP 27w Display	1JJ98AA	obsolete
HP 27x Curved Gaming Display	7MW42AA	

HP 27xq Display	3WL54AA
HP 32 Display	2FW77AA
HP 32s Display	2UD96AA
HP 34f Curved Display	6JM50AA

Pavilion Displays

HP Pavilion 27 Quantum Dot Display	5DQ99AA
HP Pavilion 32 QHD Display	4WH45AA

OMEN by HP Displays

OMEN X 25f 240Hz Gaming Display with Adaptive Sync	4WH47AA
OMEN X 27 HDR QHD 240Hz Gaming Monitor	6FN07AA
OMEN by HP 25 Display	Z7Y57AA

Application Software

★ : Recommended

Desktop Application Software

MS Office Home and Student 2019 for PC 6MW81AA	6MW81AA
Microsoft Office 2016 Home and Business Software	X7Q47AA
Microsoft Office 2016 Home and Student Software	X7Q46AA
Microsoft Office 365 Business Premium 6MW80AA	6MW80AA
Microsoft Office 365 Home	6MW78AA
Microsoft Office 365 Personal	6MW79AA
Microsoft Office Home and Business 2019 for PC	6MW82AA

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